YP-R1

MP3 Player
user manual

imagine the possibilities

Thank you for purchasing this Samsung product. To receive a more complete service, please register your product at

www.samsung.com/register

SAMSUNG

Using this manual

- Some of the contents in this manual may differ from your MP3 player depending on the firmware installed. Some of the contents may be changed without prior notice.
- To view the special features of your MP3 player, see "Special features of your MP3 player."
- To view troubleshooting, see "Troubleshooting."

Icons used in this manual

Icon	Description
Note	Notes, usage tips, or additional information
Caution	Safety warnings and precautions
< >	Menu names or text on the screen ; for example: <Yes>

Safety information

This manual describes how to properly use your new MP3 player. Read it carefully to avoid damaging the player and injuring yourself. Pay particular attention to the following serious warnings.

PROTECT YOURSELF

- Do not disassemble, repair, or modify this product on your own.

- Do not get the product wet or drop it in water. If the product gets wet, do not switch it on because you could get an electric shock.
- Do not use the product during a thunderstorm, as it may cause malfunction or a risk of electric shock.

- Do not use the earphones while you are driving a bicycle, automobile or motorcycle.
  It can cause a serious accident, and furthermore, is prohibited by law in some areas.
  Using the earphones while walking or jogging on a road, in particular, on a crosswalk can lead to a serious accident.
- For your safety, make sure the earphone cable does not get in the way of your arm or other surrounding objects while you are taking exercise or a walk.

- Do not place the product in damp, dusty, or sooty areas because these environments could lead to fire or electric shock.

- Do not use the product if the screen is cracked or broken. Broken glass or acrylic could cause injury to your hand or face. Bring the product to a Samsung service center to replace the screen. Damage caused by careless handling will void the warranty.

PROTECT YOURSELF

- Using earphones or headphones for an extended time may cause serious damage to your hearing.
  If you are exposed to sound louder than 85db for an extended time, you may adversely affect your hearing. The louder the sound is, the more seriously damaged your hearing may be (an ordinary conversation is between 50 to 60 db and road noise is approximately 80 db).
  You are strongly advised to set the volume level to medium (the medium level is usually less than 2/3 of the maximum).
- If you feel a ringing in the ear(s), lower the volume or stop using the earphones or headphones.

- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

PROTECT YOUR MP3 PLAYER

- Do not leave the player in temperatures above 35° C (95° F), such as a sauna or a parked car.
- Do not cause excessive impact on the player by dropping it.
- Do not place heavy objects on top of the player.
- Prevent any foreign particles or dust from entering into the product.
- Do not place the product near magnetic objects.

- Be sure to backup important data. Samsung is not responsible for data loss.
- Use only accessories provided by or approved by Samsung.

- Do not spray water on the product. Never clean the product with chemical substances such as benzene or thinner, as it may cause fire, electric shock or deteriorate the surface.

- Failure to follow these instructions may lead to physical injuries or damage to the player.

- When printing this user manual, we recommend that you print in color and check “Fit to Page” in the print option for better viewing.

Special features of your MP3 player

Listen to true three-dimensional sound with the Samsung Digital Natural Sound engine (DNSe™)

Be a cool DJ and mix music with your own beats in Beat DJ

Customise your main menu screen at your fingertip

Add your favourite widgets to the main menu screen

No more complicated buttons! Control your player with one simple touch

Listen to music with the mini player while viewing pictures or documents

Easily create Bluetooth connections with a single motion

YP-R1

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Use basic functions

Learn to perform basic operations with your player.

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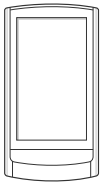
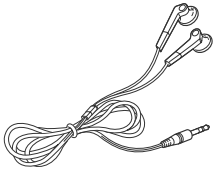
What's included

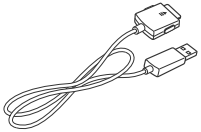
Check your product box for the following items:



MP3 player



Earphones

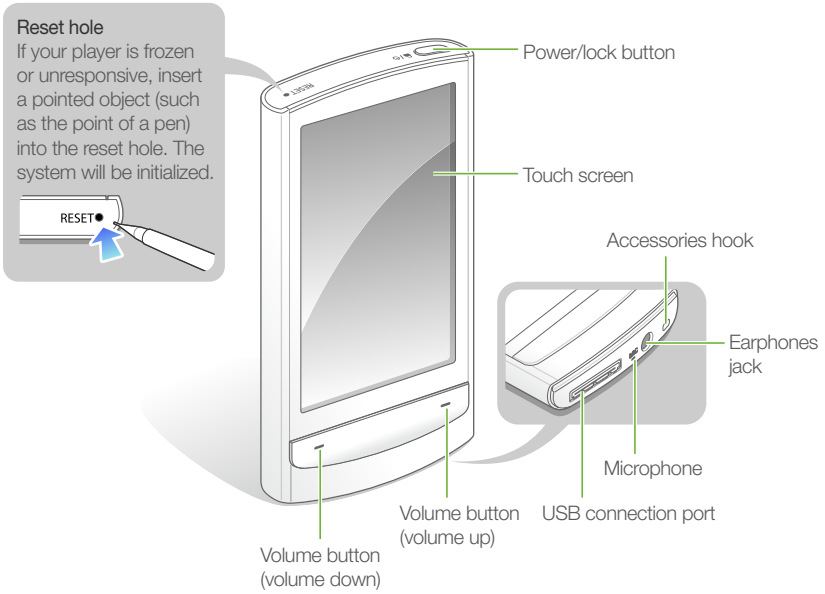


USB cable

Note

- The items supplied with your player may appear different from the illustrations in this manual.
- You can obtain additional accessories from your local Samsung dealer.

Your MP3 player


Reset hole
If your player is frozen or unresponsive, insert a pointed object (such as the point of a pen) into the reset hole. The system will be initialized.
RESET
Power/lock button
Touch screen
Accessories hook
Earphones jack
Microphone
USB connection port
Volume button (volume up)
Volume button (volume down)

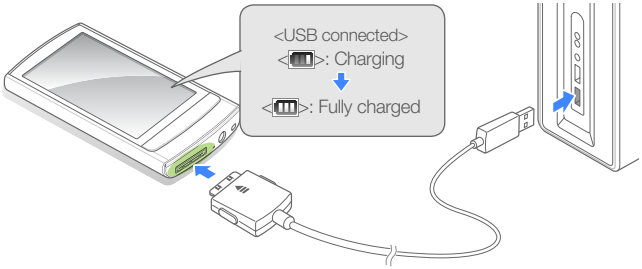
Charge the battery

Charge the battery before you use your player for the first time or when you have not used it for a long time.

Caution

The rechargeable battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider.

1. Connect the large end of the USB cable (with the triangle facing up) to the USB connection port at the bottom of your player.
2. Connect the small end of the USB cable to the USB port of a PC.



Charging time	About 3 hours

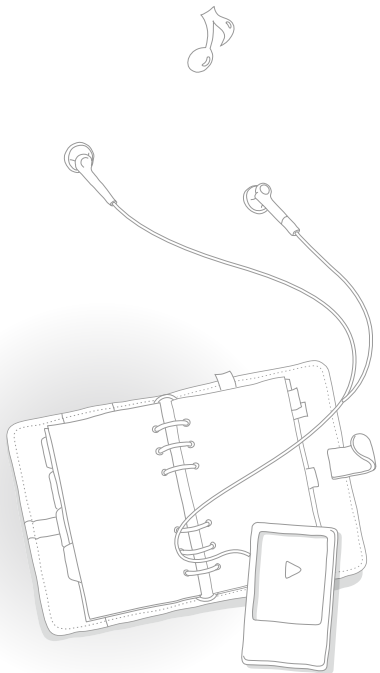
3. When the battery is fully charged, unplug the USB cable from your player and the PC.

About batteries

- Charge and store the battery at 5˚ C~35˚ C (41˚ F~95˚ F).
- Do not charge the battery for more than 12 hours or leave the battery fully discharged for a long time. Doing so may shorten the battery life.
- Depending on how you use your player, actual battery life may vary and may be shorter than specified.

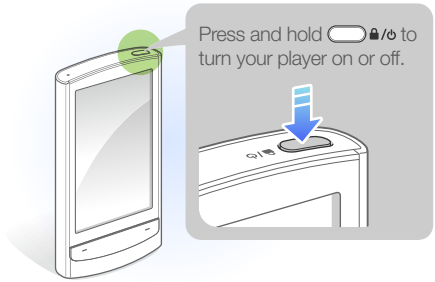
Note

- The charging time may differ depending on your PC's capabilities.
- If you want to charge the battery on your laptop, make sure that the laptop's battery is full or the laptop is plugged into a power source.
- The player can only be charged by connecting to your PC with the USB cable. Do not use a separate USB AC Adapter as it may not charge the battery or allow proper operation of the player.



Turn your player on and lock the touch screen

Turn your player on or off

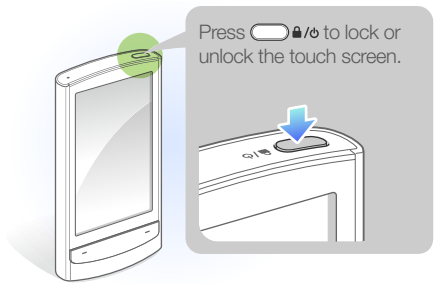


Note

If you do not use your player for 5 minutes, it will automatically turn off.

Lock or unlock the touch screen

Lock the touch screen to prevent any unwanted operations while listening to music or playing videos.



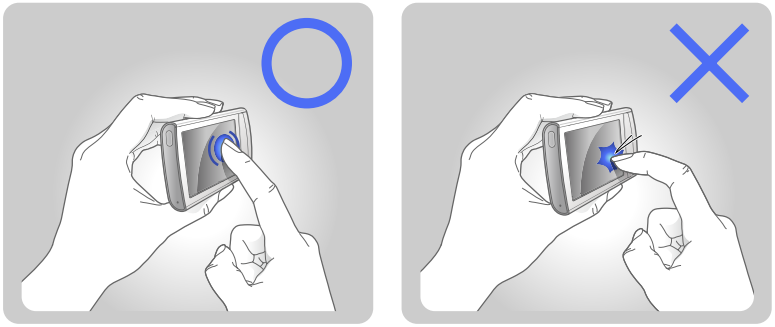
Note

- When the touch screen is locked, 🔒 will appear at the top of the screen.
- You can also set your player to lock the touch screen and buttons. See page 72.

Use the touch screen

Learn how to use the touch screen and browse or select items.

Your player's touch screen lets you easily select items or perform functions. Tap the touch screen using your fingertip.



Caution

To avoid damaging the touch screen, do not press too hard with your fingertips or use pointed objects to touch the screen.

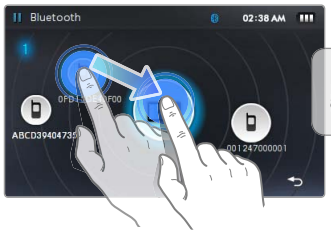
Note

- Tap only one area of the touch screen at a time. Your player will not recognise your input when you tap two or more areas simultaneously.
- Keep the touch screen dry. Humidity and liquids may lower the recognition of the touch screen.
- For best results, do not use any protective films on the touch screen and do not allow accessories to cover the touch screen.
- The touch screen may not properly recognise inputs when you tap the screen with gloves, dirty fingers, fingernails, or sharp instruments such as ballpoint pens.

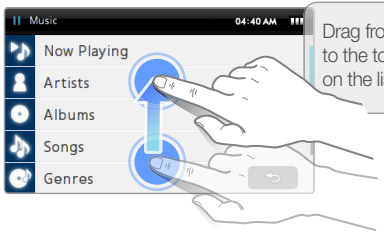
Dragging

To move an item on the screen or browse items, tap and hold your finger on the screen and drag your finger.

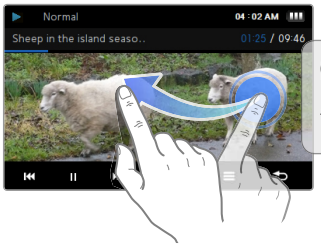
To move to the next screen or flip pages, quickly drag your finger in the desired direction.



Drag an item to a location you want



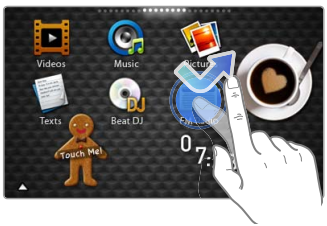
Drag from the bottom to the top to scroll up on the list



Quickly drag right to left to play the next file during playback

Tapping

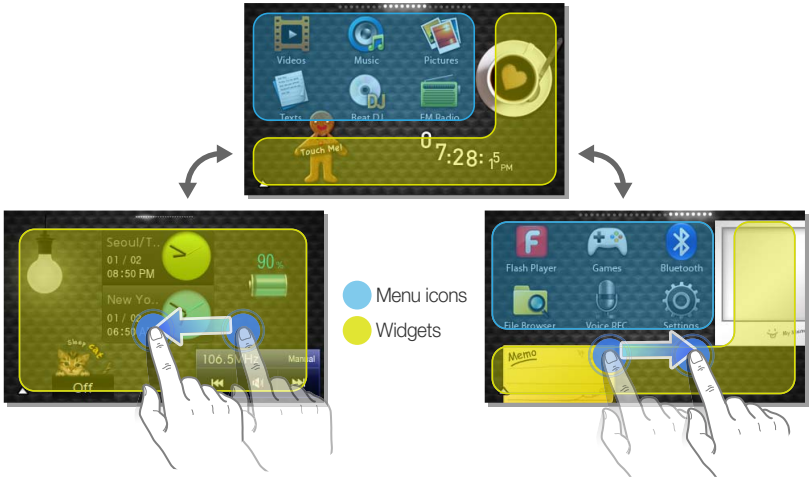
To select a menu or option, tap the screen once with your finger. You can also open the quick tray or menu tray by tapping the screen.



Use the main menu screens

Learn to move between the main menu screens, change the menu style or wallpaper, and organise your favourite menus.

The main menu screens consist of menu icons and widget icons.



Note

To return to a main menu screen while using a function, tap and hold ⮌ at the bottom of the screen.

Change the menu style

1. In the main menu, tap ▲ at the bottom of the screen.
2. Tap <Style> from the menu tray.

3. Tap **<** or **>** to select a style you want.

4. Tap <OK> to save the style.

Select a wallpaper

1. In the main menu, tap and hold an empty space.
2. Tap an image from the file list.
3. Tap <OK> to save the wallpaper image.

Organise your favourite menus

Your player has three main menu screens by default. You can add two more screens, and add menu icons that you frequently use to a menu screen or delete them from the menu screen.

1. In the main menu, tap ▲ at the bottom of the screen.
2. Tap <Icon> from the menu tray.

3. Add or delete menu icons from the menu list.
4. When you are finished, tap <OK>.

Add a menu icon

Drag a menu icon from the menu list to a main menu screen.

Delete a menu icon

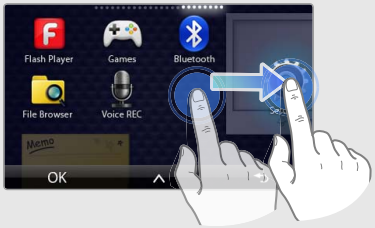
Drag a menu icon from a main menu screen to the menu list.

Relocate a menu icon

Tap <V> to close the menu list and position the menu icon anywhere on the screen.

Note

To move a menu icon to a new main menu screen, drag the icon to the edge of the screen.

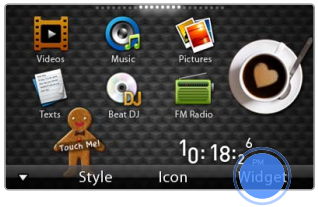


Use widgets

You can use functional and decorative widgets. Widgets are user friendly shortcuts to commonly used menus allowing you to add to a main menu screen.

Add widgets to a main menu screen

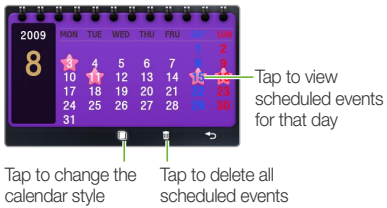
1. In the main menu, tap ▲ at the bottom of the screen.
2. Tap <Widget> from the menu tray.



3. Add or delete widgets from the widget list.
   - For adding or deleting widgets, see "Organise your favourite menus" on page 16.
   - For information about widgets, see "Widget list" on page 19.
4. When you are finished, tap <OK>.

Widget list

Widget	Function
Analogue clock/ Digital clock	• View the current time. • Tap **>** to set the current date. Drag up or down on each unit.

Widget	Function
Calendar	• View the calendar and scheduled events. • Drag up or down to move by month. Drag left or right to move by year.  **Note** To view scheduled events in the calendar, download Microsoft Outlook event files (.ics) from a PC. Event files must be saved in <File Browser> → <My Pack> → <Calendar>.

Widget	Function
Picture frame	View your pictures in a frame.
Memo	Create your memos.
Brightness	Adjust the brightness of the screen. See page 71.
Sleep time	Set the sleep time. See page 72.

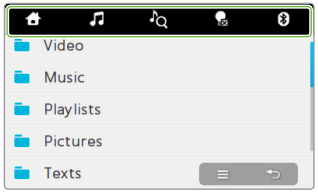
Widget	Function
Dual clock	View the current time in another country or city.
Battery	Check the remaining battery.
Mini player	Listen to music with the mini player.
Decoration item	A cookie gradually crumbles.
Decoration item	Flower petals flutter.
Decoration item	A butterfly circles around a flower.
Decoration item	A cup of coffee steams.

Use the quick tray and menu tray

Learn to use the quick tray and menu tray. Tap the top of the screen to open the quick tray. Tap the empty space of the screen to open the menu tray.

Quick tray

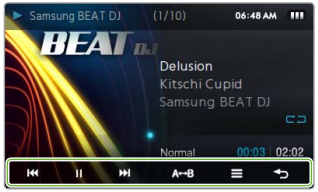
The quick tray allows you to use other functions or return to a main menu screen.



Icon	Function
	Return to a main menu screen.
	Launch the mini player. See page 22.
	Rotate the screen 90° clockwise (to the right). This icon is available on the music playback screen.
	Search for music files. See page 42.
	Turn off the screen and lock the touch screen. See page 72.
	Connect the Bluetooth stereo headset your player was last connected to. If you connect your player to a Bluetooth device for the first time, see "Find and register other Bluetooth-enabled devices" on page 59.

Menu tray

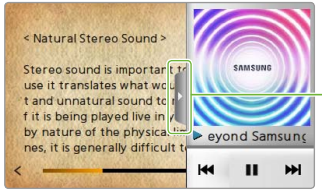
The menu tray displays options available in the current menu.



Use the mini player

You can listen to music with the mini player while viewing pictures or text files or using other menus which do not have the music play feature.

1. Open the quick tray and tap .
2. Listen to music with the mini player.



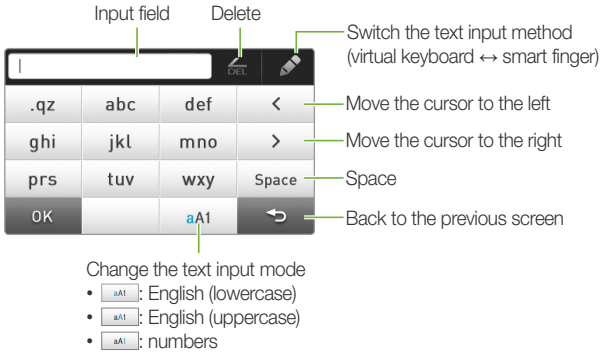
To	Do this
Skip to the previous file or the next file	Tap or
Search backward or forward in a file	Tap and hold or
Pause or resume playback	Tap or

Enter text

Enter text using the virtual keyboard or with the smart finger feature.

Enter text using the virtual keyboard

1. Tap an appropriate alphanumeric key until the character you want appears on the screen.
   - If the smart finger screen appears, tap to switch to the virtual keyboard.



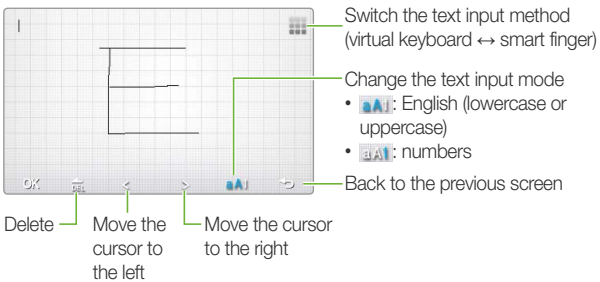
2. When you are finished, tap <OK>.

Enter text with the smart finger feature

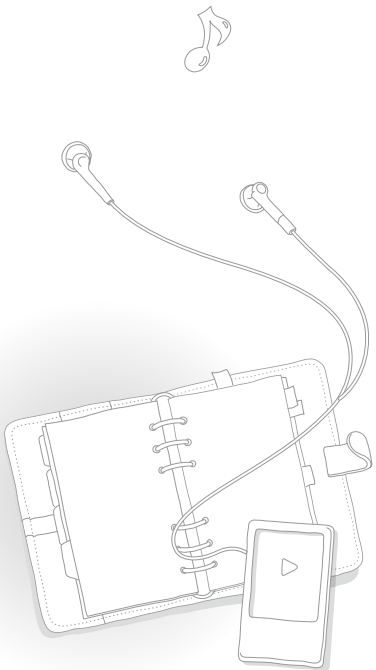
With the smart finger feature, you can write characters anywhere on the screen using your finger.

1. On the virtual keyboard, tap to switch to the smart finger.
2. Change the text input mode.
3. Write characters anywhere on the screen.

▼ When entering a keyword in the music search screen


Switch the text input method (virtual keyboard ↔ smart finger)
Change the text input mode
• aA1: English (lowercase or uppercase)
• 1A1: numbers
Back to the previous screen
Delete
Move the cursor to the left
Move the cursor to the right

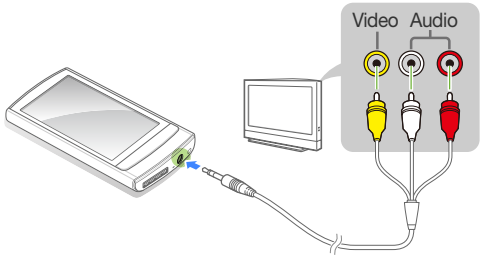
4. When you are finished, tap <OK>.



Connect your player to a TV

You can connect your player to a TV with an optional TV-OUT cable and view multimedia files, such as pictures and videos, on the TV screen.

1. Connect your player to a TV using an optional TV-OUT cable.



2. Turn on your TV and switch the TV to the appropriate external input mode.
3. Turn on your player and view a picture or video.
4. Tap ☰ on the playback screen.
5. Tap <TV Out> from the option list.
6. Tap <Yes> from the pop-up window.
   - The TV screen displays the picture or video you are viewing on your player.
7. Control playback using the menu tray of your player.
   - Tap ↩ to end the connection with the TV.

Note

- Some features of your player may not be available when your player is connected to a TV.
- Some TVs may not be compatible with your player.

Manage media files

Download media files to your player, and search for or delete files stored in your player.

Download media files 27
Search for files 31
Delete files 32

Download media files

Download media files from a PC to your player.

Caution

To avoid damage to your player and corruption of your files, do not disconnect the USB cable while files are being transferred.

Supported file formats and PC requirements

Supported file formats

Menu	File formats
Music	MP3, WMA, Ogg, AAC, FLAC, etc.
Videos	AVI, WMV, etc.
Picture	JPG, BMP, etc.
Texts	TXT
Flash Player	SWF

Recommended PC requirements

CPU	Pentium 500 MHz or later
Operating System	Windows 2000/XP/Vista
Others	• Resolution 1024 X 768 or higher • Microsoft DirectX 9.0 or later • Internet Explorer 6.0 or later

Download files with EmoDio

You can easily download various media files with EmoDio.

Note

- For information about installing EmoDio on a PC, refer to the Quick Start Guide supplied with your player.
- EmoDio will be regularly upgraded for peak performance. Some features of EmoDio may change without prior notice.

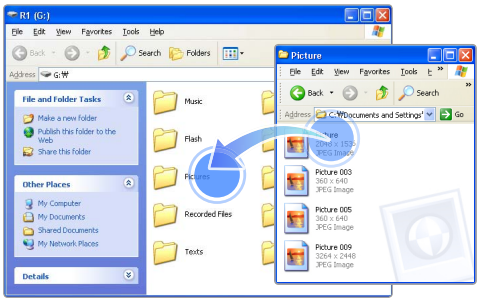
1. Connect your player to a PC using the USB cable.
   - EmoDio launches automatically on your PC.
2. Click <My PC> on the main screen of EmoDio.
3. Click <Add Folder> or <Add File> at the bottom of the screen.
4. Select a folder or file you want.
   - The list of the files stored in your PC appears.
5. Select a file you want and click .
   - The selected file is copied to your player.

Note

- You cannot use your player when connected to a PC.
- If you connect your player to a PC when the player's battery is low, the battery will be charged for a few minutes before your player will be connected to the PC.
- If you connect your player to a PC via a USB hub, the PC may not recognize your player. Connect your player directly into the USB port of a PC.
- When you format your player on a PC, use the FAT32 system. In Windows Vista, click <Restore device defaults> and then format your player.
- Music recognition technology and related data are provided by Gracenote® and Gracenote CDDB® Music Recognition Service℠.
- CDDB is a registered trademark of Gracenote. The Gracenote logo and logotype, the Gracenote CDDB logo and logotype, and the “Powered by Gracenote CDDB” logo are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.

Download files using your player as a removable disk

1. Connect your player to a PC using the USB cable.
2. On your PC, open <My Computer> and then the <R1> folder.
3. Select a folder you want.
4. Copy files on the PC to your player.



Note

- The order of files on your PC will differ from the order of files on your player.
- Your player restricts playback of files protected by a DRM (Digital Rights Management) system.

What is DRM?

Digital Rights Management (DRM) is a technology and service to prevent illegal copies of the digital contents and protect the profit and rights of copyright holders or content producers.

Disconnect your player from a PC

Carefully follow the steps below when disconnecting your player from a PC to avoid data loss or damage to your player.

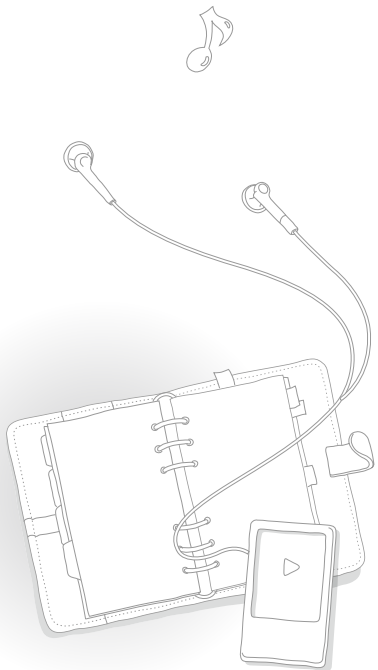
1. Click on the Windows taskbar.

2. Click the pop-up message.

3. Click on the window which informs that your player is safely disconnected.
4. Unplug the USB cable from your player and the PC.

Caution

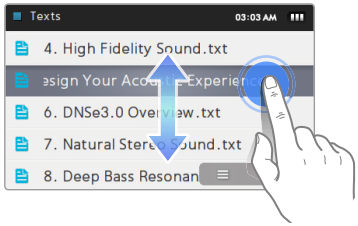
- To avoid damage to your player and corruption of your files, do not disconnect the USB cable while files are being transferred.
- Do not disconnect your player when playing files stored in your player on a PC. Make sure that you stop playback and then disconnect your player from a PC.



Search for files

Search for files in folders and play them in your player.

1. In the main menu, tap .
2. Tap a folder from the list.
3. Drag up or down to scroll through the file list.
   - If the file name is long, tap and hold the file name area to view the full name.



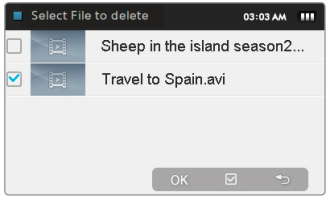
4. Tap a file you want.

Delete files

You can delete unwanted files from your player.

To delete video files, for example:

1. In the main menu, tap .
2. Tap at the bottom of the screen.
3. Tap <Delete> from the option list.
4. Tap files to delete and tap <OK>.
   - appears next to the selected files.
   - Tap to delete all files.



5. Tap <Yes> to confirm.

Note

You can also tap and then select files if the trash icon is available.

Play video and music

Transfer music and video files to your player using the EmoDio program or a removable disk, and then play high-quality video files and listen to music in excellent 3D surround sound. Also, mix music files like a disc jockey using Beat DJ.

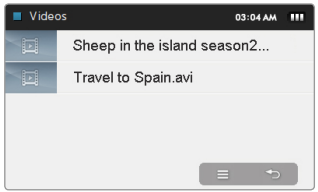
Video 34
Music 38
Beat DJ 45

Video

Play video files on your player.
To download files, see "Download media files."

Play video files

1. In the main menu, tap .
2. Tap a video file from the list.
   - Drag up or down to scroll through the list and select a video file to play.



Note

To change the view mode to the thumbnail view, tap and then <Change View Type>.

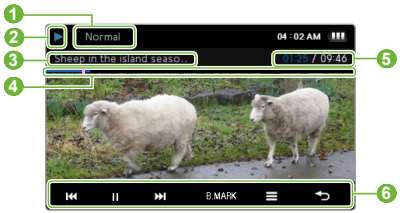
3 Control playback using the following buttons. See "Video playback screen."

To	Do this
Skip to the previous file or the next file	Tap ⏮ or ⏭
Search backward or forward in a file	Tap and hold ⏮ or ⏭
Pause or resume playback	Tap ⏸ or ▶

Note

- When you download unsupported files to your player with EmoDio, EmoDio will automatically convert the file formats so you can play them in your player.
- You can play subtitle files (.smi) with video files on your player. Subtitle files must be saved with video files to play in the same folder and the file name must be the same as the video file.

Video playback screen



No.	Description
1	Current sound effect
2	Playing status
3	File name
4	Playing progress bar ; is a bookmark that helps you mark a point within a video
5	Elapsed playing time / Total playing time
6	Menu tray – <B.MARK>: Open the bookmark options – ☰: Open the video options

Play a video from a chapter

Tap and hold the screen during video playback. Your player will split the video file into 15 chapters and capture still images from each clip. When you select one of the still images, the video will begin playback from that point.

Tap to return to the previous screen

Insert a bookmark

You can insert a bookmark at the point you want and go to the bookmark to play from that point.

1. During video playback, tap the screen at the point you want to bookmark.
2. Tap <B.MARK> from the menu tray and tap <Add Bookmark>.
   - A bookmark is inserted to the progress bar.

Note

- You can insert one bookmark per video file.
- The point at which you insert a bookmark within a video file may not exactly match the bookmarked point.
- To go to a bookmark, tap <B.MARK> and then <Go to Bookmark>. To delete a bookmark, tap <B.MARK> and then <Delete Bookmark>.

Use the video options

1. Tap the video playback screen.
2. Tap ☰ from the menu tray.
3. Select an option you want.

Option	Description
DNSe	Select appropriate sound effects for videos.
Mosaic Search	Divide a video file into 15 chapters. You can select one of the chapters and start playback from that chapter.
Display	Adjust the frame size and the brightness of the screen. **Note** You cannot adjust the frame size for some video files.
TV Out	Set to view videos on the TV screen. See "Connect your player to a TV" on page 25.
Horizontal Stroke	Set the interval when you drag left or right quickly during video playback. – <1 File>: Move between previous and next files. – <Seek>: Change the playback speed (x1 → x2 → x4 → x8). – <30sec Skip>: Skip 30 seconds. – <1min Skip>: Skip 1 minute.

Music

Play music files stored in your player.
To download files, see "Download media files."

Note

If the file library is updated, your player will clear the list of files displayed in <Recently Added> and <Most Played (50)>.

Listen to music

Music files are categorized in folders by type. You can easily find a music file you want.

Music category	Function
Artists*	Display files by artist.
Albums*	Display files by album.
Songs*	Display files by file name (in the order of special characters, numbers, and alphabets).
Genres*	Display files by genre.
Playlists	Display playlists you created.
Recently Added	Display files you recently downloaded.
Most Played (50)	Display files you play most often (up to 50 files).
Recorded Files	Display files recorded in <FM Radio> or <Voice REC>.
Music Browser	Display all files in the Music folder.
Unknown	Display files that have no track information (ID3 tag).

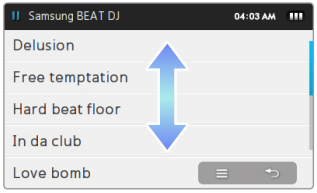
* In these music categories, files are sorted by track information (ID3 tag). Files that have no track information appear as unknown.

What is ID3 Tag?

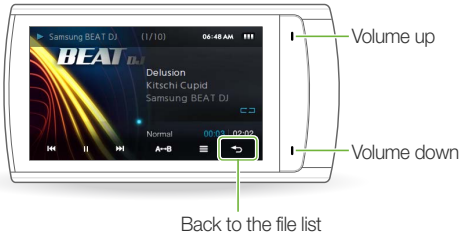
ID3 tag is a metadata container attached to MP3 files. It includes information for the music, such as the title, artist, album, or track number, which can be displayed on a music player's screen during playback.

Play music files

1. In the main menu, tap .
2. Tap a music category.
   - To play the file you last played, tap <Now Playing>.
3. Tap an artist, album, genre, or playlist if you selected <Artists>, <Albums>, <Genres>, or <Playlists>.
4. Tap a file to play.
   - Drag up or down to scroll through the list and select a file to play.

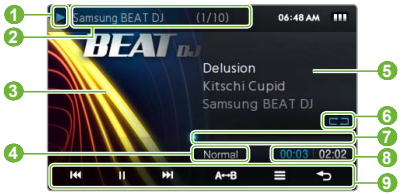


5. Control playback by using the buttons.
   See "Music playback screen."



To	Do this
Skip to the previous or next file	Tap ⏮ or ⏭
Search backward or forward	Tap and hold ⏮ or ⏭
Pause or resume playback	Tap ❚❚ or ▶

Music playback screen



No.	Description
1	Playing status
2	Track number / Total number of tracks
3	• Playback image • If an album image displays, tap and hold it to view the album information
4	Current sound effect
5	Song title, artist, album title
6	Repeat mode
7	Playing progress bar
8	Playing time
9	Menu tray – <A ↔ B>: Repeat a section of a track – ☰: Opens the music options

Repeat a section of a track

You can select a section of a track to repeat.

1. Tap <A ↔ B> at the beginning of the section you want to repeat.
   - <A →> displays at the right center of the section.
2. Tap <A ↔ B> at the end of the section you want to repeat.
   - <A ↔ B> displays at the right center of the section. Your player repeats the marked section.
3. To cancel repeating, tap <A ↔ B> again.

Note

You cannot repeat a section of a track less than 3 seconds.

Apply a sound effect (DNSe)

1. Tap the music playback screen.
2. Tap ☰ from the menu tray.
3. Tap <DNSe>.
4. Tap a sound effect you want.
   - If you tap <Auto>, your player will search the track information (ID3 tag) and automatically select an appropriate effect.
   - To select your own equaliser, tap <myDNSe 1> or <myDNSe 2>. See "myDNSe" on page 71.

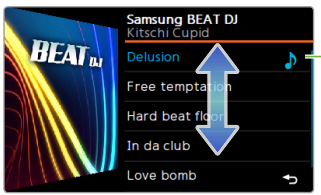
What is DNSe?

Digital Natural Sound Engine (DNSe) is a group of sound effects for MP3 players, developed by Samsung. It provides various sound settings to enhance the music you are listening to.

View album information

If an ID3 tag contains album information, such as a cover image, you can view the album image and tracks included in the album.

1. From the music playback screen, tap and hold the screen.
2. View the album image and tracks.
   - To view other albums, drag left or right.
   - To play music from the album, tap a music file you want.
   - To browse files, drag up or down.



Search for a music file

You can search for music files by entering keywords.

1. Open the quick tray and then tap .
2. Tap a search option you want.

Option	Description
Artists	Search by artist name
Albums	Search by album name
Songs	Search by song tiltle

3. Enter a keyword on the search field.

4. If you selected <Artists> or <Albums>, tap an artist or album name.
5. Tap a music file you want from the search list.

Note

You cannot search for music files with no track information (ID3 tag).

Create playlists

There is one default playlist and you can create up to 3 playlists.

Create a playlist

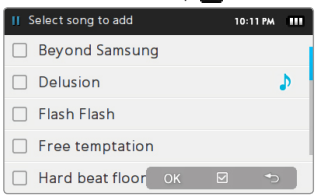
1. In the main menu, tap .
2. Tap <Playlists>.
3. Tap at the bottom of the screen and tap <Add New Playlist>.
4. Enter a name for your new playlist and tap <OK>.

Note

To rename a playlist, tap <Rename> from the option list.

Add music files to a playlist

1. From the file list, tap ☰.
2. Tap <Add to Playlist>.
3. Tap files you want to add to a playlist.
   - ☑ appears next to the selected files.
   - To select all files, tap ☑.



4. Tap <OK>.
5. Tap a playlist to add the files.
   - To create a new playlist, tap <Add New Playlist>.

Note

- To add all files of an artist, album, or genre at once, tap ☰ from the list of artists, albums, or genres and then tap <Add to Playlist>.
- To add the currently playing file to a playlist, tap ☰ and then <Add to Playlist>.

Delete music files from a playlist

1. From the file list, tap <Playlists>.
2. Tap a playlist that has files you want to delete.
3. Tap ☰ at the bottom of the screen and then tap <Delete from Playlist>.
4. Tap files you want to delete.
   - ☑ appears next to the selected files.
   - To select all files, tap ☑.
5. Tap <OK>.
6. Tap <Yes> from the pop-up window.

Use the music options

1. Tap the music playback screen.
2. Tap ☰ from the menu tray.
3. Customise the following options.

Option	Description
DNSe	Select appropriate sound effects for music.
Play Mode	Change the repeat mode.
Music Play Screen	Change the image that displays during music playback. **Note** Your player supports less than 2 MB of cover images.
Add to Playlist	Add the currently playing music file to the playlist.
Horizontal Stroke	Set the interval when you drag left or right quickly during music playback. – <1 Song>: Move between previous and next files. – <10sec Skip>: Skip 10 seconds. – <30sec Skip>: Skip 30 seconds. – <1min Skip>: Skip 1 minute. **Note** Some files may not skip at the interval you selected.
Play Speed	Change the playback speed.

Note

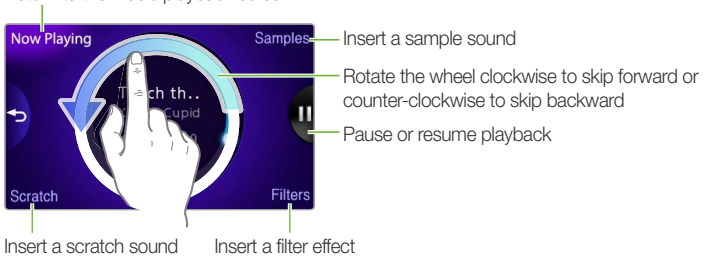
You cannot select a sound effect and change the playback speed if you are playing a music file in Ogg Q10 format.

Beat DJ

Add effects to the music with Beat DJ.

1. In the main menu, tap .
2. Tap an album you want.
   - Rotate the wheel or drag up or down to select an album and tap <OK>.

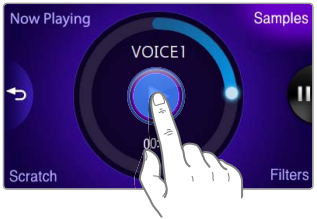
3. Rotate the wheel to select a music file and tap <OK>.
4. Apply beat DJ effects to the music file.



Insert a sample sound

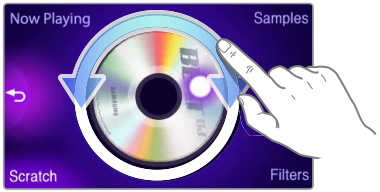
Rotate the wheel to select a sample sound and then tap <OK>.

Tap ▶ at the point you want to insert the sample sound.



Insert a scratch sound

Move your finger on the CD image to insert a scratch sound.



Insert a filter effect

Rotate the wheel to select a filter effect and then tap <OK>.

Rotate the wheel to adjust the effect level.

Note

- You can insert up to 2 filters in a music file.
- If you want to adjust the level for the applied filter effects, return to the music playback screen and tap Filter at the centre of the screen. Tap the name of the filter you want and then rotate the wheel.

Use additional applications

Learn how to work with your player's additional applications.

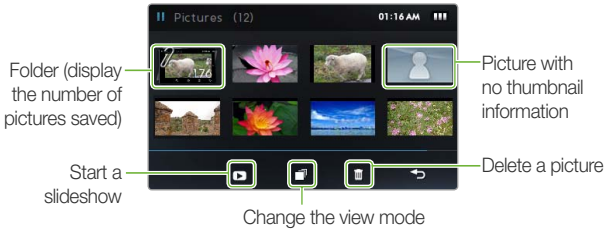
Pictures....49
Texts....51
FM Radio....54
Flash Player....57
Games....58
Bluetooth....59
Datacasts....66
Voice REC....67
Address Book....68

Pictures

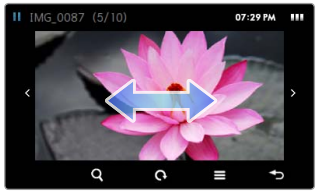
View pictures stored in your player.
To download files, see "Download media files."

View pictures

1. In the main menu, tap .
2. Browse pictures.



3. Tap a picture you want. The picture displays on the full screen.
4. View the picture.
   - Drag left or right to view other pictures.



To	Do this
Zoom in or out	Tap and then tap or
Rotate	Tap

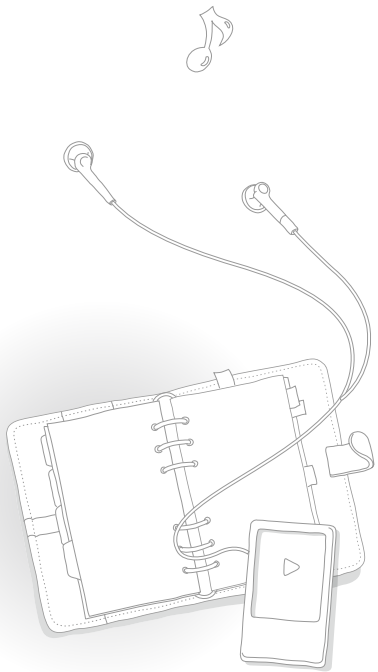
Note

If the picture size is large, it may take some time to display.

Use the picture menus

1. Tap the picture on the full screen.
2. Tap ☰ from the menu tray.
3. Customise the following options:

Option	Description
Start Slideshow	View pictures in a slideshow.
Slideshow Effect	Select a transition effect for the slideshow.
Assign	Set a picture as a wallpaper of a main menu screen or as an image displayed when you turn on your player.
TV Out	Set to view pictures on the TV screen. See "Connect your player to a TV" on page 25.



Texts

You can use the text viewer to view text files (.txt) stored in your player.
To download files, see "Download media files."

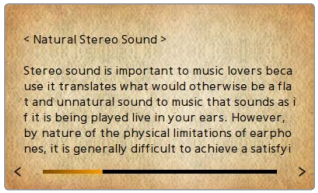
View text files

1. In the main menu, tap .
2. Tap a text file from the list.

Note

To change the view mode, tap ☰ and then <Change View Type>.

3. View the document.
   - Tap the screen to display the text information and menu tray.


< Natural Stereo Sound >
Stereo sound is important to music lovers beca
use it translates what would otherwise be a fla
t and unnatural sound to music that sounds as i
f it is being played live in your ears. However,
by nature of the physical limitations of earpho
nes, it is generally difficult to achieve a satisfyi

To	Do this
Move to the previous or next page	• Drag left or right • Tap **<** or **>**

Insert a bookmark

You can insert a bookmark on the page you want and go to the bookmark to view that page of a document.

1. Tap the screen on the page you want to bookmark.
2. Tap <B.MARK> from the menu tray and then tap <Add Bookmark>.
   - A bookmark is inserted to the top left of the screen.

Note

- You can insert one bookmark per text file.
- To go to a bookmark, tap <B.MARK> and then <Go to Bookmark>. To delete a bookmark, tap <B.MARK> and then <Delete Bookmark>.

Flip pages automatically

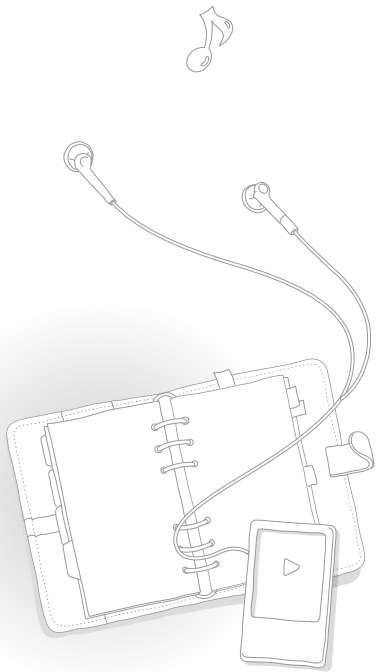
1. Tap the screen.
2. Tap <AUTO> from the menu tray.
3. Tap the automatic flip time.
   - A page automatically flips to the next after the automatic flip time you set.

Use the text options

You can change settings for viewing documents in the text viewer.

1. Tap the screen.
2. Tap ☰ from the menu tray.
3. Customise the following options:

Option	Description
Text Viewer Type	Change the background style of the text viewer.
Font Size	Change the size of the font displayed in your document.



FM Radio

You can listen to and record the FM radio, as well as save radio stations.

Note

You must connect the earphones to your player to listen to the FM radio. The earphones serve as a radio antenna.

Listen to the FM radio

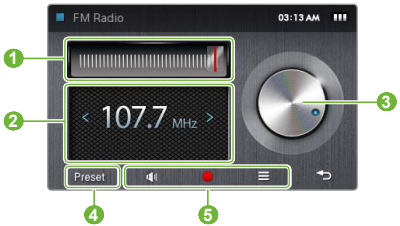
1. In the main menu, tap .
2. Tap < or > to scan the radio stations.
   - Tap < or > to scroll through radio frequencies. Tap and hold < or > to scan the available stations automatically.
   - You can also drag the dial to tune stations.

3. Listen to the FM radio. See "FM radio screen."

Note

The FM radio may not tune frequencies for stations correctly depending on the signal status of your current region.

FM radio screen



No.	Description
1	Frequency scale
2	Frequency for the current station – Tap **<** or **>** to scroll through radio frequencies – Tap and hold **<** or **>** to tune available radio stations automatically
3	Tuning dial – Drag the dial to tune stations
4	Radio mode – <Preset>: Preset mode – <Manual>: Manual mode
5	Menu tray – : Mute or unmute audio – : Record the FM radio – : Open the FM radio options

Record the FM radio

1. Tap ● to record the FM radio.
2. Tap <Yes> from the pop-up window.
   - Tap ❚❚ to pause recording.
3. Tap ■ to stop recording.
   - The recorded file is saved automatically.
4. Tap <Yes> to play the recorded file.
   - When you are finished playing the recorded file, the screen returns to Recording mode.
   - If you want to return to Recording mode without playing the recorded file, tap <No>.

Note

- The maximum recording time for a file is 5 hours.
- The recorded files will be saved in <File Browser> → <Recorded Files> → <FM Radio>.

Save radio stations

You can save your favourite radio stations to easily access them.

Save the current radio station

1. In Manual mode, tap ☰.
2. Tap <Add to Preset>.

Save radio stations automatically

You can automatically search for available radio stations and save them as your favourites. You can save up to 30 radio stations.

1. In Manual mode, tap ☰.
2. Tap <Auto Preset>.
3. Tap <Yes> to confirm.
   - Automatic tuning begins. The radio stations located are saved in your favourites.

Listen to a favourite radio station

1. In Manual mode, tap <Preset> at the bottom of the FM radio screen.
2. Tap the radio station you want.

Use the FM radio options

You can change options for listening to the FM radio.

1. From the FM radio screen, tap ☰.
2. Customise the following options:

Option	Description
Add to Preset*	Save the current radio station.
Delete from Preset**	Delete a saved radio station.
Auto Preset	Search for and save available radio stations automatically (up to 30).
FM Region	Re-tune frequencies according to your region. See the following frequency range by region:

Worldwide	87.50 MHz~108.00 MHz
USA	87.5 MHz~108.0 MHz
Korea	
Japan	76.0 MHz~108.0 MHz

Note

- This option may not be available depending on your region.
- If you change the region, the previously saved stations will be deleted.

* Available only in Manual mode
** Available only in Preset mode

Flash Player

Use the flash player to view flash files (.swf) stored in your player. To download files, see "Download media files."

1. In the main menu, tap F.
2. Tap a file you want.
3. Play the file.
   - Tap ▲ at the bottom of the screen to display the menu tray.

To	Do this
Move on the screen	Tap ◆
Pause or resume playback	Tap ❙❙ or ▶

Note

- The flash player may not play some flash files (.swf).
- Your player may restart depending on the flash files (.swf) you play.

Games

Play games stored in your player.

1. In the main menu, tap .
2. Tap a game you want.

Game	Description
Wise Star	Line up 3 planets of the same kind horizontally or vertically to explode them and gain points.
Sudoku Champ	Enter digits from 1 to 9 into the blank spaces. Every row must contain one of each digit.
Bubble Bang	Burst as many bubbles as possible in a set time.
Astro Ranger	Tap a visual image in time to musical and visual cues to get high scores.

3. Play the game.

Note

- Games provided may be changed without prior notice.
- For information about playing games, see the Help of each game.

Bluetooth

Use the Bluetooth wireless feature to connect Bluetooth stereo headsets to listen to music. You can also connect mobile phones or other wireless devices.

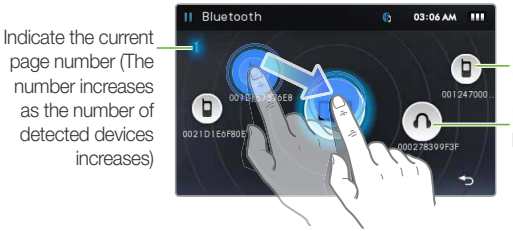
Caution

Do not use the Bluetooth wireless features for illegal purposes (pirated copy of files, illegal wireless tapping and communications, etc. for commercial purposes). Samsung is not responsible for any of these illegal uses and the consequent results.

Find and register other Bluetooth-enabled devices

To use the Bluetooth wireless feature, you need to register your player with other devices.

1. Turn on the Bluetooth wireless feature of the other device you want to connect to.
2. In the main menu, tap .
3. Tap at the center of the screen, or tap at the bottom of the screen.
   - Your player starts searching for Bluetooth-enabled devices around your player.
   - To stop searching, tap .
   - If your player has not found the device you want to connect to or if you want to refresh the list of the searched devices, tap or .
4. Tap and drag a device icon onto the icon.



Note

It is recommended to name mobile devices in English to ensure compatibility.

5 Enter a Bluetooth password for the device you connect to for the first time.
- To set a Bluetooth password, see the user manual of the device you connect to.

6 Tap <Yes> to confirm.
- When you enter the correct Bluetooth password, registering is complete. Now you can connect your player to the other device.
- For connecting Bluetooth-enabled devices, see "Connect Bluetooth-enabled devices."

Delete registered devices

1 From the Bluetooth screen, tap a device you want to delete.

2 Tap at the bottom of the screen.

Connect Bluetooth-enabled devices

You can use the Bluetooth wireless feature to connect to other devices

1 In the main menu, tap .

2 Tap and drag a device icon onto the icon.
- To search again, tap .

3 Tap a service depending on the device you connect to.

Option	Description
File Transfer	Select to transfer files to and from the device.

4 Use the Bluetooth-enabled device that is connected with your player. See "Use call functions (hands-free)."
- The Bluetooth icon at the top of the screen will change according to the device type connected. (: Mobile phones, : Bluetooth stereo headsets)
- If a Bluetooth stereo headset is connected, you can listen to music or hear a voice through the headset.

Note

- If you restart your player or the other device connected, the Bluetooth connection will be disconnected. See the steps above to reconnect the devices.
- Some Bluetooth stereo headsets may not be compatible with your player.

Disconnect the Bluetooth devices

1. From the Bluetooth screen, tap the connected device.
2. Tap .
3. Tap <Yes> to confirm.

Note

When you are not using the Bluetooth features, deactivate the Bluetooth wireless feature to save the battery. Tap ☰ and then tap <Bluetooth : ON>.

Use call functions (hands-free)

When your player is connected to your mobile phone with the hands-free service, you can make or receive calls.

Make voice calls

1. Tap .

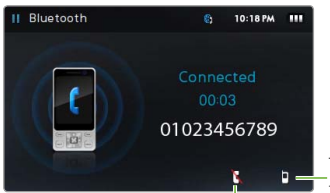
2. Make a call using one of the following options:

Option	Description
Call by Number	Enter a phone number you want
Call History	Make a call from the call log **Note** To clear the call log, tap ☰ → <Delete> or <Delete All> → <Yes>.
Redial	Call the last dialled number

3 If you selected <Call by Number>, enter a phone number on the dialler screen and then tap .

- You can make calls with speed dial numbers. From the dialler screen, tap and hold a speed dial number.

4 When a call is connected, the following screen appears.



Note

Your player may emit some noise when you press the buttons of the mobile phone or make or answer a call.

Answer a call

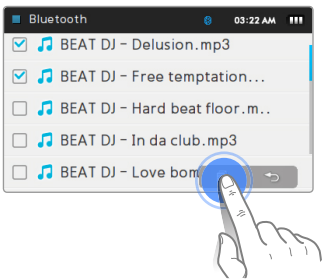
If you receive a call from the connected mobile phone while playing music or videos, the playback will stop and a pop-up window will appear. Tap <Yes> to answer the call.

Transfer files

When your player is connected with mobile phones or other MP3 players with the file transfer service, you can send or receive data, such as music files, pictures, address book entries, etc.

Send a file

When the file browser launches, tap a file you want to send and then tap .


Bluetooth
03:22 AM
BEAT DJ - Delusion.mp3
BEAT DJ - Free temptation...
BEAT DJ - Hard beat floor.m..
BEAT DJ - In da club.mp3
BEAT DJ - Love bom

Note

- If you send DRM-protected files to another device, the files will not be available on the destination device.

Receive a file

When you receive a file, a pop-up window appears to confirm that you are connecting. Tap <Yes> to receive the file.

Note

- For sending files to your player from the other device, see the user manual of the other device.
- Received files will be saved in <File Browser> → <Shared Data>.
- If there is a file with the same name in the folder, your player will automatically add "(1)" to the name and save the file.

Use the Bluetooth options

You can set options for the Bluetooth wireless feature.

1. Tap ☰ at the bottom of the Bluetooth main screen.
2. Customise the following options:

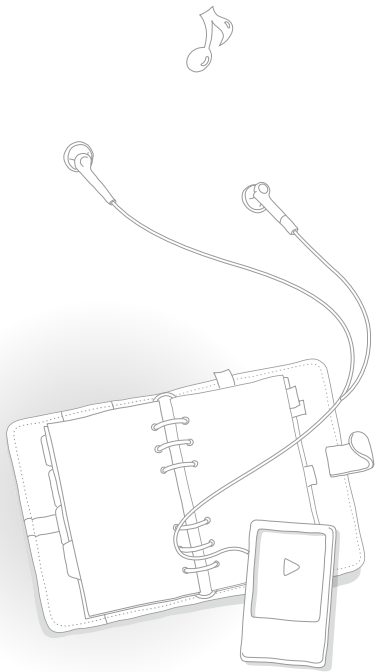
Option	Description
Bluetooth : ON	Turn the Bluetooth wireless feature on or off.
Search Option	Select a type of the Bluetooth service to search.
My Device Info.	Check the device name and address for Bluetooth.

Information for using Bluetooth

- There may be some noise or malfunction due to the interference of the radio waves from other devices or the user environment.
- Make sure that Bluetooth devices you are trying to connect to the player are nearby. As the distance between the player and the connected device increases, the sound quality will be downgraded.
- The maximum distance for the wireless connection between your player and another Bluetooth-enabled device is 10 meters (30 feet). If the player and the device are more than 10 meters apart, the connection will be terminated automatically. Even when the devices are within the maximum distance, the quality of communications will be downgraded if the devices are separated by obstacles such as walls or doors.
- When you are using Bluetooth stereo headsets, avoid viewing pictures or documents as this may slow down button responses and may decrease the quality of your Bluetooth connection.
- The Bluetooth wireless feature in your player is optimised for Samsung devices and may not be compatible with devices of other manufacturers.
- You cannot use the Bluetooth wireless feature while you are listening to the FM radio or playing games. Your player may not play some music or video files via a Bluetooth stereo headset.
- Use only Bluetooth-certified stereo headsets. Your player does not support mono hands-free headsets.
- Some menus in your player may not be available when the Bluetooth wireless feature is activated.

- Compatible Bluetooth stereo headsets

Manufacturer	Model name
SAMSUNG	SBH500, SBH100
Sony Ericsson	HBH-DS970
Jabra	BT620S
iBluon	BT-HS02-HQ
Plantronics	P590, VOYAGER 855
LUBIX	NC1



Datacasts

When you have registered RSS addresses of your favourite news website, UCC, or blogs on EmoDio, you can view various contents in Datacasts.

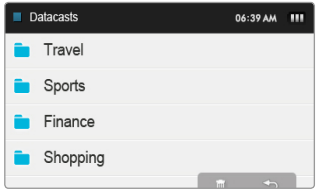
Note

For more information about Datacasts, see the Help of EmoDio.

What is RSS?

RSS is a standardised XML file format used to publish and deliver to users or readers frequently-updated works, such as news or blog entries.

1. In the main menu, tap .
2. Tap a channel folder you want.



3. Tap the content you want to view.
4. View the content.

Voice REC

You can record voice memos.

1. In the main menu, tap .
2. Tap to start recording.
   - The recording starts.
   - Tap to pause recording.

3. Tap to stop recording.
   - The recorded file is saved automatically.
4. Tap <Yes> to play the recorded file.
   - After the recorded file has played, the screen will return to Recording mode.
   - If you want to return to Recording mode without playing back the file, tap <No>.

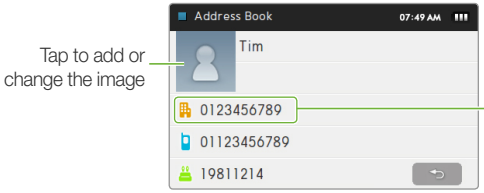
Note

- The recording may be interrupted when you record too close or too far from the microphone.
- When the battery is low, you cannot record voice memos.
- The maximum recording time for one file is 5 hours.
- The recorded files will be saved in <File Browser> → <Recorded Files> → <Voice>.

Address Book

View contact information received via Bluetooth. When the mobile phone is connected to your player, you can make a call directly from the address book.

1. In the main menu, tap .
2. Tap a contact's name you want.
3. View the contact information.


Tap to add or change the image
Address Book
07:49 AM
Tim
0123456789
01123456789
19811214
Tap to make a call (The calling feature is available when a mobile phone is connected to your player via Bluetooth)

Note

- Address book entries are sorted alphabetically.
- The address book files transferred from other devices will be saved in <File Browser> → <Shared Data>.
- The address book supports only vCard files.

Customise settings

Change your player's settings to match your preferences.

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System settings 72

Settings

Learn to change your player's settings.

1. In the main menu, tap .
2. Tap a setting menu you want to dustomise.

Menu	Description
Sound	Set sound settings
Display	Set display settings
Language	Set language settings
Time	Set the current time
System	Set system settings

3. Tap an option.
4. Change the settings.

Sound settings

Menu	Description
Street Mode	Set to make the music sound clearer by filtering out ambient noise.
Audio Upscaler	Set to upscale low resolution audio files for improved sound quality.
myDNSe	Set up your own equalizer (DNSe) to customise sounds to your preference. Adjust frequencies for each equalizer and tap <OK>.
Beep Sound	Turn the beep sound on or off when you tap the touch screen.
Wise Volume	Set to limit the volume of the earphones to protect your hearing. – <Off>: You can adjust the volume as you want. If you increase the volume over level 15 and restart your player, the player will turn on at volume level 15 to protect your hearing. – <On>: Your player displays a warning message when you are exposed to a high level of volume for a long period of time. Your player automatically decreases the volume to a moderate level.
Master EQ	Optimise the sound settings for your earphones. Adjust frequencies for the equaliser and tap <OK>.

Display settings

Menu	Description
Font	Select a font type for the display text.
Reset My Skin	Restore the wallpaper image.
Reset Booting Image	Restore the image displayed when your player is turned on.
180° rotate	Change the orientation of the screen.
Display Off & Hold	Set how long the screen stays on when not in use. When the screen turns off, it is automatically locked.
Brightness	Adjust the brightness of the screen.

Language settings

Menu	Description
Menu	Select a language for the display text.
Contents	Select a language to display the contents stored in your player.

Time settings

Menu	Description
Date&Time	Set the current time and date. See "Analogue clock/ Digital clock" on page 19.
Date Type	Set the time format.
Time Zone	Select your time zone to view the current time.

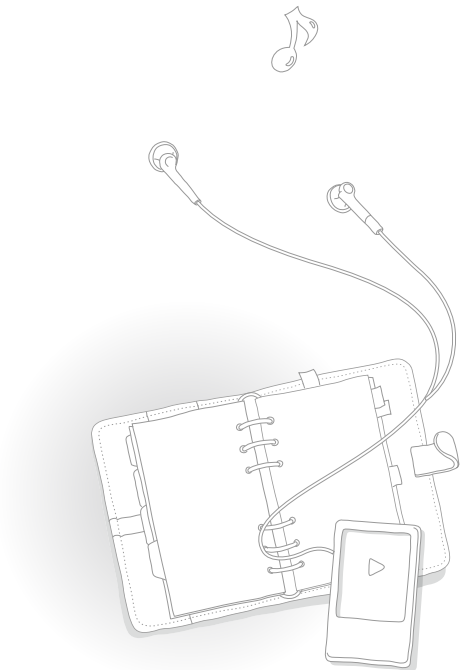
System settings

Menu	Description
My Info	Enter user information, such as name and birthday. **Note** User name you enter will display on the screen when your player is turned on. On your birthday, the message "Happy birthday" will display.
Sleep	Set to automatically turn off your player after a specified period of time.
TV out Type	Select a video encoding system for connecting to a TV. If you are not sure which to select, check the documentation that came with your TV. – <NTSC>: USA, Canada, Japan, Korea, Taiwan, Mexico, etc. – <PAL> (Supports the BDGHI type only): China, Denmark, Finland, Germany, United Kingdom, Netherlands, Italy, Malaysia, Singapore, Spain, Sweden, Thailand, Norway, etc.
Hold Option	Set how your player works when you press ⏻/⏻. – <All>: Lock the touch screen and the buttons. – <Touch Screen Only>: Lock the touch screen only.

Menu	Description
Library Update	Update the file library. Use this option after changing the language to display the contents (select <Settings> → <Language> → <Contents>) when file names do not display correctly in your player.
Default Set	Restore all settings to the factory settings.
Format	Delete all data and files stored in your player. **Note** Remember to make backup copies of all important data stored in your player. The manufacturer's warranty does not cover loss of data that results from user actions.

Menu	Description
DivX Registration code	Check the DivX registration code for your player. **Note** ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video. ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD. Devices certified to play DivX video at the Mobile profile: "DivX Certified to play DivX® video up to 320x240"

Menu	Description
About	Check the system information of your player. – <Firmware>: View the version of the firmware installed in your player. – <Memory>: View the total amount of memory, and the amount of memory being used and remaining. **Note** • Regarding the Built-In Memory 1GB=1,000,000,000 bytes : actual formatted capacity may be less as the internal firmware uses a portion of the memory.



Appendix

View the maintenance, specifications, and troubleshooting for your player.

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Maintenance of your player

Carefully read the following to properly clean, store, or dispose of your player.

Cleaning

- When your player is dirty, wipe your player with a soft, clean and dry cloth.
- Do not apply cleaners to your player's surface. This may cause damage or affect the performance of the player.
- Do not clean your player with gasoline, benzene, thinner, WD-40, or other chemicals. This may cause damage to your player's surface.

Storing

Store your player in a well-ventilated area.

Disposing

- Dispose of wrapping materials, batteries, and electronic devices separately.
- The wrapping materials include paper and two kinds of plastics (PC, PE).

Troubleshooting

When you have a trouble using the player, try the following before contacting a service center.

Problem	Solution
My player will not turn on.	• Your player will not turn on if the battery is completely drained. Recharge the battery and turn the player on again. • Press the reset button to reset your player.
The touch screen and buttons do not work.	• Check if the touch screen and buttons are locked. • Check if the buttons or icons correspond to the functions you want to activate. • Press the reset button to reset your player.
The screen does not display anything.	• Your player turns off when you do not use it for a specific period of time. Turn your player on and try again. • The screen may not be visible under the direct rays of the sun. • The screen turns off automatically after the period of time you set in <Display Off & Hold> has elapsed. Press any key or tap the screen to turn on the screen.
My player turns off automatically.	If you do not use your player for 5 minutes after you pause the playback, it will automatically turn off.

Problem	Solution
The battery running time is different from what is written in the user manual.	• The battery running time may differ depending on the current sound mode or display settings. • The battery running time may shorten when your player was left in a high or low temperature.
EmoDio will not work on a PC.	Check if your PC meets PC requirements. See "Recommended PC requirements."
My player will not connect to a PC.	Run Windows Update on the PC. Select key updates and service packs and update all. When the update is completed, reboot the PC and reconnect.
The file transfer is too slow.	The file transfer rate may slow down if you formatted your player on Windows 2000. Reformat your player on Windows XP or Vista and try again. End all programs you are not using. Running multiple programs simultaneously can slow down the file transfer rate.

Problem	Solution
My player will not play any files.	• Check if any playable files are stored in your player. • Check the size of the files to play. Your player will not play more than 2GB files • Check if the files are damaged. • Check the battery remaining.
I cannot download files to my player.	• Check if the USB cable is correctly connected. Reconnect it. • Check if the memory is full. • Press the reset button to reset your player.
Files or data are missing.	Check if you disconnected the USB cable while transferring files or data. This can cause data loss or fatal errors in your player. Samsung is not responsible for any damages resulting from data loss.
The playing time does not display correctly during playback.	This is normal if the currently playing file is of the VBR (Variable Bit Rate format).
The file name does not display correctly.	Change the language setting in <Settings> → <Language> → <Contents> and then update the file library.
My player is getting hot to the touch.	Charging the battery can heat up your player. It does not affect the player's life or capabilities.

Problem	Solution
My player does not play a video file but display an error message.	Retransfer the video file with EmoDio.
The Bluetooth wireless connection is not established.	• Check if you are connecting to Bluetooth-certified stereo headsets. Your player does not support mono hands-free headsets. • If you restart your player, stereo headset, or mobile phone, the Bluetooth connection may be ended. Reconnect again. • If you are connecting to a mobile phone, the connection with a Bluetooth stereo headset must be ended. Check if a stereo headset is connected with your player.

Specifications

<table>
<tr><td>Model Name</td><td colspan="3">YP-R1</td></tr>
<tr><td>Rating</td><td colspan="3">DC 5.0V / 1A</td></tr>
<tr><td rowspan="4">File</td><td>Audio</td><td colspan="2">• MPEG1/2/2.5 Layer 3 (8 kbps ~ 320 kbps, 8 kHz ~ 48 kHz)
• WMA (12 kbps ~ 320 kbps, 16 kHz ~ 48 kHz)
• Ogg (32 kbps ~ 400 kbps, Q0 ~ Q10, 8 kHz ~ 48 kHz)
• AAC-LC (8 kbps ~ 320 kbps, 8 kHz ~ 48 kHz)
• AAC+ (8 kbps ~ 320 kbps, 8 kHz ~ 48 kHz)
• Enhanced-AAC-Plus (8 kbps ~ 320 kbps, 8 kHz ~ 48 kHz)
• FLAC (level 0 ~ 8, 16 kHz ~ 48 kHz)
• RA (20 kbps ~ 96 kbps, 8 kHz, 11.025 kHz, 44.1 kHz)
• WAV (wav standard, 8 kHz ~ 48 kHz)</td></tr>
<tr><td rowspan="6">Video</td><td>AVI/SVI</td><td>• MPEG4 (Max.720 X 480) Advanced Simple Profile@Level 5
• Divx3/4/5/(Max. 720 X 480)
• Xvid (Max. 720 X 480)
• H.264/AVC (Max. 720 X 480) High Profile@Level3.0</td><td>MP3/AAC/AAC+</td></tr>
<tr><td></td><td>WMV9 (MAX 720 X 480) Advanced Profile@level1</td><td>WMA</td></tr>
<tr><td>MP4</td><td>• MPEG4 (Max.720 X 480) Advanced Simple Profile@Level 5
• H.264/AVC (Max. 720 X 480) High Profile@Level 3.0</td><td>MP3/AAC/AAC+</td></tr>
<tr><td>WMV/ASF</td><td>WMV9 (MAX 720 X 480) Advanced Profile@level1(vc1)</td><td>WMA</td></tr>
<tr><td>MOV</td><td>• MPEG4 (Max.720 X 480) Advanced Simple Profile@Level 5
• H.264/AVC (Max. 720 X 480) High Profile@Level 3.0</td><td>AAC/AAC+</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>Image</td><td colspan="2">JPEG (Baseline, Progressive), BMP (MAX32Bit), PNG, Gif (89a/87a)</td></tr>
<tr><td>Flash</td><td colspan="2">SWF (Flash Player 8.0 or lower, ActionScript2.0 or lower)</td></tr>
</table>

Earphones Output		20 mW/Ch. (based on16 Ω)
Output Frequency Range		20 Hz~20 kHz
Signal to Noise Ratio		90 dB with 20 kHz LPF (based on 1 kHz, 0 dB)
Supported Number of Files/Folders		File: Max. 5000 Folder: Max. 5000 (including File)
Playing Time		Music: 25 hours (MP3 128 kbps, Volume level 15, Normal sound mode, LCD off) Video: 5 hours ((Brightness 3, Volume level 15, Normal sound mode, SVl)
Temperature Range for Operation		-5˚ C ~ 35˚ C (23˚ F ~ 95˚ F)
Case		Tempered glass, Plastic, Aluminum
Weight		50 g
Dimensions (WxHxD)		45.5 X 85.2 X 8.9 mm
FM Radio	FM T.H.D	1 %
	FM Signal to Noise Ratio	55 dB
	FM Useable Sensitivity	30 dBμ

Wireless System

Bluetooth QD ID	B015440
Emission Type	F1D
RF power	CLASS I
Transmit Frequency	2402 MHz ~ 2480 MHz
Receive Frequency	2402 MHz ~ 2480 MHz
Number of channels	79 channels
Modulation System	GFSK
Communication Mode	Semi-duplex Operation
Humidity	0 ~ 95 %
Specifications Version Supported	2.0 + EDR
Module	BCM2070

* Some of the contents in this manual are subject to change without prior notice for further improvement.

License

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Contact Samsung World Wide

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG Customer Care Centre.

Country	Customer Care Centre ☎	Web Site
CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com/ca
MEXICO	01-800-SAMSUNG (726-7864)	www.samsung.com/mx
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com/us
ARGENTINE	0800-333-3733	www.samsung.com/ar
BRAZIL	0800-124-421, 4004-0000	www.samsung.com/br
CHILE	800-SAMSUNG (726-7864)	www.samsung.com/cl
NICARAGUA	00-1800-5077267	www.samsung.com/latin
HONDURAS	800-7919267	www.samsung.com/latin
COSTA RICA	0-800-507-7267	www.samsung.com/latin
ECUADOR	1-800-10-7267	www.samsung.com/latin
EL SALVADOR	800-6225	www.samsung.com/latin
GUATEMALA	1-800-299-0013	www.samsung.com/latin
JAMAICA	1-800-234-7267	www.samsung.com/latin
PANAMA	800-7267	www.samsung.com/latin
PUERTO RICO	1-800-682-3180	www.samsung.com/latin
REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-SAMSUNG (726-7864)	www.samsung.com/latin

Country	Customer Care Centre ☎	Web Site
VENEZUELA	0-800-100-5303	www.samsung.com/latin
COLOMBIA	01-8000112112	www.samsung.com.co
BELGIUM	02 201 2418	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH REPUBLIC	800-SAMSUNG (800-726786)	www.samsung.com/cz
DENMARK	8-SAMSUNG (7267864)	www.samsung.com/dk
FINLAND	30-6227 515	www.samsung.com/fi
FRANCE	01 4863 0000	www.samsung.com/fr
GERMANY	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.de
HUNGARY	06-80-SAMSUNG (726-7864)	www.samsung.com/hu
ITALIA	800-SAMSUNG (726-7864)	www.samsung.com/it
LUXEMBURG	02 261 03 710	www.samsung.com/lu
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com/nl
NORWAY	3-SAMSUNG (7267864)	www.samsung.com/no
POLAND	0 801 1SAMSUNG (172678), 022-607-93-33	www.samsung.com/pl

Country	Customer Care Centre	Web Site
PORTUGAL	80820-SAMSUNG (726-7864)	www.samsung.com/pt
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Video for Linux Two header file

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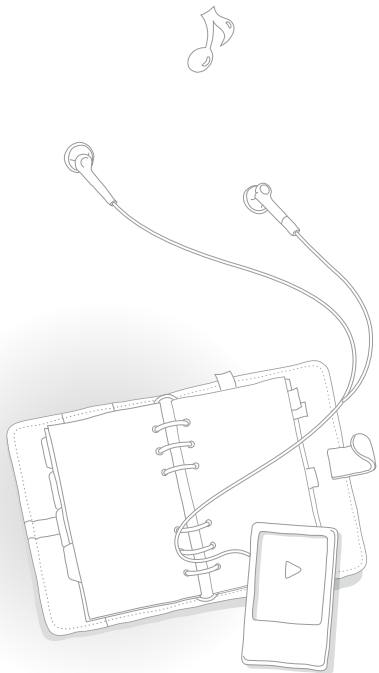

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